GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE COUNTY OF SACRAMENTO STANDARD CONSTRUCTION SPECIFICATIONS AND IMPROVEMENT STANDARDS. THE DRAWINGS OF IMPROVEMENT STANDARDS SHALL SUPERSEDE THOSE OF THE STANDARD CONSTRUCTION SPECIFICATION DRAWINGS WHERE DISCREPANCIES EXIST.

2. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 6-13 OF THE STANDARD CONSTRUCTION SPECIFICATIONS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL ALL TIMES DURING CONSTRUCTION.

3. THE CONSULTING ENGINEER SHALL NOTIFY THE CITY OF RANCHO CORDOVA CONSTRUCTION INSPECTION OFFICE IMMEDIATELY UPON COMPLETION OF STAKING. [PHONE (916) 851-8710]

4. THE CONTRACTOR SHALL NOTIFY THE CITY OF RANCHO CORDOVA "TWO WORKING DAYS" PRIOR TO THE INTENTION TO COMMENCE WORK. THE CONTRACTOR SHALL NOT START ANY GRADING UNTIL THE CITY COMPLETES A PRE-CONSTRUCTION MEETING. [PHONE (916) 851-8710]

5. THE CITY OF RANCHO CORDOVA IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUB-CONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF U.S.A. TWO WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER, 1-800-227-2600. THOMAS BROS. PAGE XXX, INDEX XX, 200X EDITION.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

7. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH SECTION 11 OF THE COUNTY OF SACRAMENTO IMPROVEMENT STANDARDS.

8. CONTRACTOR TO EXPOSE END OF EXISTING WATER MAIN, SEWER, AND DRAIN LINES FOR SURVEYORS TO VERIFY LOCATION AND ELEVATION PRIOR TO PLACEMENT OF PIPE. ALL COSTS OF SUCH EXCAVATION AND BACKFILL SHALL BE INCLUDED IN THE PRICE PAID FOR VARIOUS ITEMS OF WORK.

9. ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.

10. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

11. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR (street name)/ (street name) TO CITY OF RANCHO CORDOVA CONSTRUCTION INSPECTION FOR APPROVAL PRIOR TO COMMENCING CONSTRUCTION. TRAVEL LANE REQUIREMENTS AS FOLLOWS:

DURING WORKING HOURS	1-12 FT LANE EACH DIRECTION
DURING NON-WORKING HOURS	2-12 FT LANES EACH DIRECTION

12. SIDEWALK RAMPS SHALL BE CONSTRUCTED AT CENTER OF ALL CURB RETURNS, UNLESS OTHERWISE SHOWN ON PLANS. SEE STANDARD DRAWING NO. 4-51.

13. EXISTING A.C. SURFACE SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL WITH THE CENTERLINE ALONG WITH 1-1/2" DEEP GRINDING AND PAVING; GRIND TO LIP OF GUTTER, LANE LINE OR CENTER OF TRAFFIC LANE, BUT 12" MINIMUM WIDTH & THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED, AND RESEALED PRIOR TO PAVING.

14. IN TRANSITION AREAS FROM ONE STREET WIDTH TO ANOTHER STREET WIDTH, THE HEAVIER STRUCTURAL SECTION SHALL BE USED.

15. PRIOR TO REQUESTING FINAL ACCEPTANCE OF IMPROVEMENTS, ENGINEER SHALL SET SURVEY MONUMENTS AS SPECIFIED IN SECTION 12-1, COUNTY OF SACRAMENTO IMPROVEMENT STANDARDS.

16. CONTRACTOR TO REPAIR ALL DAMAGE TO EXISTING ROAD SYSTEM ATTRIBUTED TO THE CONSTRUCTION OF THE PROJECT, AS DETERMINED BY THE PUBLIC WORKS DIRECTOR.

17. CONTRACTOR TO MAINTAIN OPERATIONAL CONDITION OF ALL EXISTING TRAFFIC SIGNALS, STREET LIGHTS, TRAFFIC SIGNS, TRAFFIC MARKINGS, AND OTHER INFRASTRUCTURES THAT MAY BE IMPACTED BY THE PROJECT. TRAFFIC SIGNS AND TRAFFIC MARKINGS SHALL NOT BE REMOVED OR COVERED WITHOUT PRIOR APPROVAL OF THE CITY PROJECT MANAGER OR INSPECTOR.

18. ALL STOP SIGNS, YIELD SIGNS, AND RAILROAD CROSSING SIGNS IMPACTED BY THE PROJECT MUST BE MAINTAINED ERECT AND FULLY VISIBLE BY TRAFFIC AT ALL TIMES. ANY LIMIT LINES OR CROSSWALKS COVERED OR IMPACTED BY THE PROJECT MUST BE IMMEDIATELY REPLACED WITH LIKE TEMPORARY MARKINGS.

19. CONTRACTOR TO MAINTAIN OPERATIONAL CONDITION OF ANY CITY OR CRPD OWNED IRRIGATION LINE THAT MAY BE IMPACTED BY THE PROJECT. THE CONTRACTIOR IS RESPONSIBLE FOR REPLACING IN KIND ANY LANDSCAPING OR LANDSCAPE IRRIGATION DAMAGED BY CONSTRUCTION OR INTERRUPTION OF IRRIGATION SERVICE.

20. THE SIGNAL CONTROLLER SHALL BE SUPPLIED BY THE CITY AT DEVELOPER COST. CONTRACTOR SHALL NOTIFY THE CITY MINIMUM TWO MONTHS IN ADVANCE OF NEEDING THE SIGNAL CONTROLLER.

21. STOCKPILING OF EARTH MATERIAL SHALL NOT OCCUR ON FINISHED CONCRETE SURFACES WITHOUT PLACEMENT OF IMPERMEABLE MEMBRANE OR PLASTIC.

EXISTING OVERHEAD UTILITY NOTE

CAUTION

CONSTRUCTION ACTIVITY WILL TAKE PLACE IN THE VICINITY OF OVERHEAD ELECTRIC TRANSMISSION LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF, AND OBSERVE, THE MINIMUM CLEARANCES FOR WORKERS AND EQUIPMENT OPERATING NEAR HIGH VOLTAGE ELECTRIC LINES AS SET OUT IN THE HIGH VOLTAGE SAFETY ORDERS OF THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AS WELL AS OTHER APPLICABLE SAFETY REGULATIONS.

DRAINAGE NOTES

1. ALL CONSTRUCTION AND MATERIALS FOR DRAINAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE COUNTY OF SACRAMENTO IMPROVEMENT STANDARDS AND STANDARD CONSTRUCTION SPECIFICATIONS. WHERE DISCREPANCIES EXIST, APPROPRIATE NOTES SHALL BE ADDED TO THE PLANS, TAKING PRECEDENCE OVER THE STANDARD CONSTRUCTION SPECIFICATIONS.

2. THE MINIMUM COVER REQUIREMENTS DURING CONSTRUCTION FOR TEMPORARY CONSTRUCTION VEHICLE LOADING SHALL BE 4 FEET FOR METAL AND PLASTIC PIPE, AND 3 FEET FOR REINFORCED CONCRETE PIPE.

3. THE CONTRACTOR SHALL PLACE THE PROPER STRENGTH PIPE IF TRENCH CONDITIONS ENCOUNTERED DIFFER FROM THE DESIGN TRENCH.

4. DRAINAGE IN PUBLIC ROW AND DRAINAGE EASEMENTS SHALL CONFORM TO THE FOLLOWING:

   A. DRAINAGE PIPE MATERIAL PIPE SHALL CONFORM TO SECTION 36 AND SECTION 50 (EXCLUDING 50-20, WHICH IS NOT ALLOWED) OF THE STANDARD CONSTRUCTION SPECIFICATIONS.

   B. DRAINAGE MANHOLES SHALL CONFORM TO SECTION 39 OF THE STANDARD CONSTRUCTION SPECIFICATIONS.

5. TESTING OF DRAINAGE SYSTEMS

   A. DRAINAGE IN PUBLIC ROW AND DRAINAGE EASEMENTS SHALL CONFORM TO THE FOLLOWING:

      i. DRAINAGE PIPES, INCLUDING DRAIN INLET LATERALS, SHALL BE TESTED IN CONFORMANCE WITH SECTION 38-10 OF THE STANDARD CONSTRUCTION SPECIFICATIONS.

      ii. STORM DRAIN MANHOLES SHALL BE TESTED IN CONFORMANCE WITH SECTION 39-4.02 OF THE STANDARD CONSCTRUCTION SPECIFICATIONS.

6. RESILIENT CONNECTORS, IN CONFORMANCE WITH SECTION 39-2.02 AND STD. DWG. 9-7A OF THE STANDARD CONSTRUCTION SPECIFICATIONS, ARE REQUIRED BETWEEN PRE-CAST MANHOLE AND PIPE, AND BETWEEN PRE-CAST DROP INLET AND PIPE. WATER STOPS ARE REQUIRED FOR PIPE TO CAST-IN-PLACE MANHOLE/DROP INLET CONNECTIONS.

7. EROSION CONTROL STRUCTURES (STD. DWG. 9-27) SHALL BE CLASS B CONCRETE, NOT GROUTED COBBLE.

8. ALL DRAINAGE INLETS IN PUBLIC ROW AND DRAINAGE EASEMENTS SHALL HAVE A PERMANENT STORM DRAIN MESSAGE "NO DUMPING – FLOWS TO CREEK" OR OTHER APPROVED MESSAGE CONSISTENT WITH SECTION 9-14G AND STD. DWGS 11-10A AND 11-10B OF THE SACRAMENTO COUNTY IMPROVEMENT STANDARDS.

SEWER NOTES

(APPLY NOTES REQUIRED BY SASD)

DECLARATION OF RESPONSIBLE CHARGE:

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF RANCHO CORDOVA IS CONFINED TO REVIEW AND COMMENTS ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

CIVIL ENGINEER REG. NO. EXP. DATE

GEOTECHNICAL ENGINEER'S DECLARATION:

THESE PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED RELATIVE TO GEOTECHNICAL ASPECTS OF THE PLANS AND HAVE BEEN FOUND TO BE IN CONFORMANCE WITH INTENTIONS OF THE FINDINGS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT BY (geotechnical engineer), _____, REPORT DATED (date).

GEOTECHNICAL ENGINEER REG. NO. EXP. DATE

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE PAVEMENT
AVRV	AIR VACUUM RELIEF VALVE
BC	BEGIN CURVE
BM	BENCH MARK
BNDY	BOUNDARY
BOW	BACK OF WALK
BVC	BEGIN VERTICAL CURVE
℄ ,CL	CENTER LINE
CONST	CONSTRUCT
CR	CURB RETURN
CT	COURT
DC	DROP CONNECTION
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DR	DRIVE
DRN	DRAIN
DWG	DRAWING
E	EAST
EC	END CURVE
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EVC	END OF VERTICAL CURVE
EX, EXIST	EXISTING
FC,FOC	FACE OF CURB
FH	FIRE HYDRANT
FL	FLOW LINE
FUT	FUTURE
GB	GRADE BREAK
GFL	GUTTER FLOW LINE
GR	GRATE
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
HS	SEWER HOUSE SERVICE
INTX	INTERSECTION
INV	INVERT
JP	JOINT POLE
L	LEFT
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MH(D)	STORM DRAIN MANHOLE
MH(S)	SANITARY SEWER MANHOLE
MIN	MINIMUM
N	NORTH
PCC	POINT OF COMPOUND CURVE, OR PORTLAND CONCRETE CEMENT
PI,PIVC	POINT OF INTERSECTION VERTICAL CURVE
PL	PROPERTY LINE
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
R	RIGHT
R=	RADIUS
RCP	REINFORCED CONCRETE PIPE
RW	RIGHT OF WAY
S	SOUTH
SCH	SCHEDULE
SE	SANITARY SEWER EASEMENT
SHT	SHEET
STA	STATION
STD	STANDARD
SW,SDWK	SIDEWALK
SWR	SEWER
T	TANGENT
TBC	TOP BACK OF CURB
TOP	TOP OF PIPE
TP	TELEPHONE POLE
TYP	TYPICAL
W	WEST
WM	WATER MAIN
WTR	WATER
WWF	WELDED WIRE FABRIC
XING	CROSSING

ENGINEERS STAMP

PRELIMINARY

DATE: _____

NO.	DATE	REVISION DESCRIPTION	ENGR	APPROVED BY	DATE

DATE: _____ DATE

SCALE: N/A

DRAWN BY:

DESIGNED BY:

CHECKED BY:

CONSULTANT'S LOGO HERE

IMPROVEMENT PLANS FOR

JOB NAME HERE

GENERAL NOTES AND DETAILS

CITY OF RANCHO CORDOVA CALIFORNIA

PROJECT NO.

SHEET 2 OF X

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